

**Abstract:**

The device makes 3 dimensional objects. Micro-displays with quick reactant of material enable to produce the 3 dimensional objects very rapidly and with high resolution. Optionally, the 3 dimensional input device is embedded to the system to create the instant duplication of 3 dimensional images/objects. Image can be artificially generated by CAD model. Imaged beams are projected to the materials. The materials react with imaged beams and are hardened, softened or cut according to the desired shape generated by the imaged beam. Image can be projected to the surface of material or inside of the material to generate 3 dimensional object.